

**Imaging the Rhythm in a Bellman Song
Fatherly Advice in Regard to a Party Ring**

Bernhard Bierschenk

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**Copenhagen University
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Imaging the Rhythm in a Bellman Song Fatherly Advice in Regard to a Party Ring

Bernhard Bierschenk¹

Abstract Looking with a holistic perspective at a Bellman Song means considering a certain kind of energy investment. Lest its underlying cause can be established, it would be unlikely to detect changes that will affect the conceptual configuration of a song. A geometric point of view on magnitude and direction needs to be calculated and presented in the form of Potential Energy Surfaces (PES). Especially PES graphs are much more than just depictions of rhythms. Their unfolding is manifesting the proper shape of produced poetry. Unfolded shapes are contributing with a new quality to emerging Free Energy Surfaces (FES), which have been shown to be instrumental in the establishment of the dependency relations among evolving states and attractions. However, unless individual cycles of the applied [AaO] mechanism can be related to their bi-componential disparity, preciseness in the working of the [A] and [O] components is unattainable. The global state for the [A] component has emerged in the concept of **Flexibility**, which is attributed to the dimension of Intention. The complementary final state of the [O] component has appeared in the Orientation dimension as **Moral**, which is the concept that marks a positioning towards conduct, i.e. conducting oneself with the utmost propriety.

Theoretical Background and Levels of Processing

Conclusions about the rhythms in the stanzas of poetry can hardly be drawn from language mechanical properties alone. Unless the patterning in individual text building behaviour is related to intention, variability in produced poetry cannot be accounted for with any precision. In addition, the dynamics of poetic patterns must be related with exactness to the underlying time scales. This has important scientific consequences for the identification and notification of grapheme-strings, transitions and transformations.

It is noteworthy that the Agent-action-Objective [AaO] algorithm, used in the production of a *Bellman-Flow-Chart* for imaging the process, must be treated as a most primitive synthesising mechanism. The notation provides the ground for transformations on the produced sequences as well as on the produced composites. In computing their string-structures, involved rotations require a share in the prismatic textual surface of a particular [A] or [O] variable. This share is related to unfolding the specificity in the dependency of neighbouring grapheme-sequences. For an entire configuration, an important result appears in the establishment of the helical properties due to the [AaO] processing.

Thus, only through a rotation-governed processing of specific changes in angular articulation, crucial local string interaction can be demonstrated graphically. Consequently, this measure allows for both a graphical computation and a geometric representation of rotational distances. It follows that an intention may be mediated through an exchange of strand properties by means of flow-fields. Since a flow-field itself is made up of resonating as well as non-resonating strand segments, it is also mediating different kinds of orientation. Moreover, a directional turn in the winding strand must be taken as an account of all occurring divergences from surface uniformity. In conclusion, the dynamics in a resulting [AaO] ring structure resides not in the physical reality of a string segment or a strand, but in

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the metaphysical fraction or share a strand has in the transformation of strings and composites. In departing from the biophysical hypothesis that a particle or molecule may consist of a ‘reversible synthesizing rotary motor’ (Kinosita, 1999; Hernández, Kay & Leigh, 2004), it is suggested that one or more A- and O-molecules may rotate against the others. With this assumption as background, it will be demonstrated that poetry can be treated as a bio-kinematical system, which is exhibiting periodic behaviour.

However, it is not too difficult to imagine that the proposal of rotating particles or molecules in the form of [A] and [O] compounds, forming a morphological space, may cause conservative reactions. Furthermore, in applying proper folding procedures, outlined in the manual of PTA/Vertex (I. Bierschenk & B. Bierschenk 2011), it will become evident that a state-dependent quality parameter (Q) can be established.

Since proper methods have been absent, the essence of synthesis and especially a Kantian inspired synthesis (B. Bierschenk, 2018) has likewise remained undiscoverable. Hence, it has been impossible to go beyond classical content analysis (B. Bierschenk & I. Bierschenk, 1976) and to take advantage of the real time imaging of verbal flows (B. Bierschenk, 2001). Even the idea of approaching interval-dependent verbal (grapheme) flows has been unthinkable. Why is it so? Well, when it comes to semantics in general and to an approach of text in particular, the common view on language and text processing is raising barriers (Mastro, 1999). The fundamental hurdles have been delineated in B. Bierschenk (1981, 2018). There it is shown that the obstacles are residing in conceived paradigmatic peculiarities, corresponding to basic scientific positions on data processing.

The First level of Processing

The selected Bellman Song is depicting bacchanal events. What counts is some kind of festivities and rules that the guests at the Symbel or Table should follow. A contrasting approach would imply that the biophysical working of the underlying [AaO] machinery becomes operational. This conjecture is based on the [AaO] formula, which defines position and direction in the working of the involved textual agents (marked by alpha variables) and textual objectives (marked by beta variables) as shown in the Appendix.

When textual elements have to be identified, the emergence of structure would require that every Functional Clause (FC) must consist of the same [AaO] information. Hence, structure develops because of the fact that a textual element at one place in some respect differs more or less from the element occurring in a neighbouring place (I. Bierschenk, 1999/2003). The way in which textual flows appear in the context of writing is captured through the process, which is depicted in the mentioned *Bellman-Flow-Chart* to be inspected in the Appendix.

Furthermore, the (FC) factor comprises the foundation for the discovered messengers and the development of corresponding computational procedures. The ability to trace movement patterns comes from the observation that [A] as well as [O] of the [AaO] unit is contributing to the formation of bonds. In the *Flow Chart*, bonding has been marked (→) which implies that the primary biophysically working machinery is always establishing the correct entanglement of the components and consequently the permissible neighbourhood conditions in the given textual context. Finally, the geometric capacity of the computational procedures is used with the purpose to demonstrate how phase-dependent textual movement patterns are modulated.

A short introduction to Bellman’s ‘Fatherly Advice in Regard to a Party Ring’ is given by Rehnberg (1963, p. 56) which illustrates the classical approach followed by authors and editors who are producing works, pertaining to the ‘reception literature’ (Martínez, 2010).

1 När som du blir bjuden, så gack i kalas Och tacka din värd för all ynnas och grace Och feja din tallrik och tvätta ditt glas Och sjung dina visor av Bellman, Tilas! Stå ej sur Som en tjur, Drick ditt glas blott utur, När ingen dig rubbar, (Gubbar, drick, gubbar!) Och är du ej törstig, så följ din natur!	3 Men om du blir sömnig och tung och matt Och solen än dansar och icke är natt, Så var då försiktig, i tid tag din hatt Och ge dig på vägen med dunder och skratt Med ditt rus Till ditt hus, Men ränn aldrig burdus På kyrkbrinkens stubbar! (Gubbar, friskt gubbar!) Men se'n du har lagt dig, så kan du ta ljus.
2 Och har du ej rocken på kroppen, stor sak, Kom uti västen och håll dig helt rak! Gäst som är bjuden, bör bli under tak, Nyttja sitt nöje, sin frihet och smak. Fast du tål, Var ej snål Vid en rykande bål, Att inge dig snubbar, (Gubbar, drick, gubbar!) Och nicka år värden och drick se'n hans skål!	4 Ifall du på vägen skull märka ett rop Från flygande örnar på målade stop, Så låts icke höra, ge fan alltihop, Se stint ner i marken och sky för din grop! Om en glad Kom och bad, Så gå icke åstad, Fast han lockar och tubbar, (Gubbar, friskt, gubbar!) Kryp in till en flicka, ett rosendeblad!

Note: Tilas refers to a close friend who did not follow Bellman's fatherly advice in relation to the behaviour at the Table.

The Second Level of Processing

In the processing, the stepping function (k_i) of the first level provides the foundation for a space-time related treatment of the intrinsic co-ordinates of the textual agents and objectives. When applied to the kinetics of the resulting [A-O] configurations, the theoretically significant space-time concepts is demonstrated in the *Flow Chart* with an orientation in the *mirror-strategy*, proposed by Greene (1999, p. 278). With reference to Greene's hypothesis, the [AaO] space has been split into [A] and [O] subspaces. At a first glance, it may seem as if this measure would destroy the strict dependency, which has governed their coordinative cooperation at the first (i.e. the nominal) level. However, as Winfree (1980, p. 28) observed:

The science comes in locating and making use of the discontinuities and the discovering which of many alternative mechanisms underlie its particular character.

To repeat, in treating the [AaO] unit as a most primitive synthesising mechanism, processing a string means that a string must revolve around the action (a) component. In the cooperative interaction of twisting and winding sequences of strings, the helical configuration of text becomes constitutive. The crucial import of local string interaction is demonstrable through the rotation-governed processing of specific changes in angular string articulation.

Concerning the significance of recursive convolutions, their recurrence in a phase space as singularities at a higher level of abstraction is structural and constitutes a profound discovery. It means that proprio-specific and extero-specific information is completely integrated within the boundaries of the *Bellman-Flow-Chart*, shown in the Appendix. This is an important result and appears in the establishment of their helical properties. Ordering of

the resulting intervals as well as the radians of the alpha and beta variables are all shown in the mentioned *Flow Chart*.

Unfolding at the Third Level of Processing

Of particular import at the third level of analysis are the *spinors*, introduced by Hestenes (1986/1993, p. 7), which are carrying the patterns. When a spinor is representing an original rotation, it is changing sign even though its movement may bring a particular pattern back into the condition where the rotation was initiated. Spinors constitute the basis for the production of the Potential Energy Surfaces (PES) of Figure 1 and Figure 2.

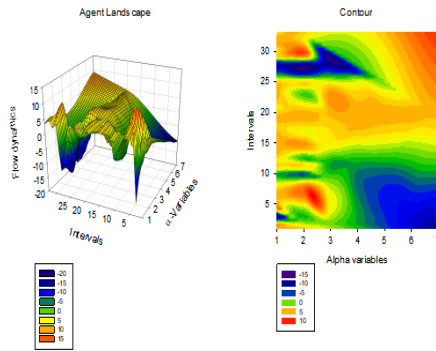


Figure 1 *Kinetic Properties of the Textual Agents*

In studying the layout of Figure 1, the focus is on discontinuity in its most fundamental sense and on the coupling and entanglement of states as well as on the establishment of a wave function. In paraphrasing J. A. Wheeler (1998, p. 325), the essential lesson to be learned from the presentation is

(...) how space and time grip the strings by telling them how to move and how strings grip space and time by telling them how to curve.

Furthermore, at the left-hand side of Figure 1 is the unfolding of the kinetic dependencies established in the form of a landscape. Hence, the Agent landscape has the capacity to address multiply shifting positions to its uniquely defined textual element. Since intermittent phase-transitions are resulting from changes in the stability of its gradients, changes in the identified order parameters lead to phase-transitions, which are fundamental for forming the shape of the developing space of sequences. Thus, space significance is addressing the fact that free parameters are ‘pointless’ in the present string-approach (Greene, 1999, p. 383).

Reading the shape of the landscape from the right means representing the textual development reversed. The alpha (α) variables of the [A] component are representing their shifts and the stepping function (k_i) is determining the specifications, contained in the channelling of a particular agent variable. Moreover, channelling means a functional change, which translates a self-referential agent into a shade of itself. As the Contour Plot at the right-hand side shows, the shades are supporting at least two local minima of considerable depth. Likewise, their stable positions are reciprocally specifying the relationship between an original agent and its shades. On the other hand, within the conceived set of specifying conditions, repetition implies reusing of the active agent. Therefore, the special character of the notation appears through the echoing, which leaves the winding factor unchanged. In contrast, channelling specifies the degree to which a particular grapheme configuration is reversibly addressed and thus is changing the winding factor.

What is particular of [A] can be extracted easily from the Contour Plot which shows a drifting over a certain number of intervals. As the depth of the first basin (local minimum) confirms, the shifts have occurred through the differential influences of the rotations in the 2nd interval. Crucial for the determination of the shape, emerging in the landscape, is that the speed in the 1st interval as well as the speed in the 11th interval determines a certain degree of height (local maximum). Accelerating the process in order to reach a firm depth in the 3rd interval is followed by accelerating the process through variable integration in the 9th and 10th interval. Developing towards a basin always implies the fading of a textual agent into the conceptualization process. A corresponding result appears in the 12th interval.

Reading out a landscape is shown once more in Figure 2. This time, the reversed textual development is representing the space of the textual objectives. By observing how the beta (β) variables are entangled, their gliding transitions can be evaluated according to the given shapes.

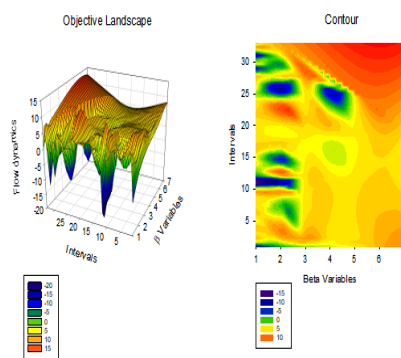


Figure 2 *Kinetic Properties of the Textual Objectives*

The highest ledge in the Contour Plot determines in the 33rd interval a massive formation as an expression of the speed in the unfolding wave while the lowest ledge defines the essential basin of the stream in the 11th interval. On the kinetic level of text production, it means that increasing depth implies increasing implicitness and consequently enlargements in the sinking of the textual objectives. Speeding up the process in order to reach again a certain height in the 12th interval is followed by accelerating the process of variable integration in the 13th and 14th interval. However, the resulting new sliding is developing towards a basin of lesser depth.

Progress in understanding the nature and evolution of the agent and objective trajectories depends mainly on the functions performed by the evolving channels. Their scope and import is approachable only through a study of the links in the given *Flow Chart* and the observation of intermittent phase transitions. As can be seen in the Appendix, the order between the produced movement patterns is interval-dependent. In this function, the Contour Plot has gathered all relevant string composites on the textual agents as well as on the textual objectives. Moreover, for their representation, there is no requirement for a subjective choice of order parameters.

Folding at the Fourth Level of Processing

By relating, the theoretical framework of the [AaO] units, with the termini of [O] as well as the descriptors of [A] it can be shown that [O] is contributing with clarifications while [A] is backing up a taken position. Additionally, since the separation of the [A-O] pairs has led to a step where the [A] space can be separated from the [O] space, this measure provides for a very radical test of the proposed validity of the (AaO) axiom (B. Bierschenk, 1991, 2018).

For that reason, development and growth of its trajectories must be equated with rotational differences, which are the result of differences in energy, originally invested into perfect [AaO] units and energy, fused into imperfect units. Even more important is that this kind of refraction through imperfect [AaO] units allows the deformations to appear as differences at the kinematical level, which relate to various forms of rotational speed and acceleration.

The basic conditions for folding the differences concern the degree of change in the articulation of the variables. At a certain step, a change in the observation of a change in articulation means a change in attitude in the ‘mathematical sense’ (Hestenes, 1986/1993). For example, the binary process of producing branches and their arrangement in succession requires that a change is determined within and between groupoid (G^*) of periods and the intervals of a period. By applying the *Connes-fusion* (Connes, 1994) to this process, operations come into existence that unites certain magnitudes. Progressive processing of any magnitude on the distance between the actual state and the equilibrium of a variable system demands an operator-valued function. A q -numbered measure on the existence of an Eigen-value relation requires a groupoid (G^*).

A groupoid is a set of elements that is closed under a binary operation, whose domain is all of (G^*). Hence (G^*) will be made the foundation for the manifestation of the kind of order parameters that generate the dynamic aspect of convolution. It follows that (G^*) is replacing the classical frequency group (G), which has dominated the taxonomic approach and is computed when regular latticed spaces form the basis of a complex-valued function. In changing from this kind of functions to the operator-valued function of Connes, (G^*) will play a crucial role in the *foliation* of states at the kinematic level and the determination of its thermodynamic limit.

The Fifth Level of Processing

Charles Q. Choi (2010) conceives archaeological evidence as overwhelming in favour of the instrumental import of beer brewing and beer feasts for the eventual emergence of modern civilizations. Especially in the times of Enlightenment, Kant’s (1784) ‘famous definition of Enlightenment’ was its absence in cases where people were agonized by a lack of courage. In focussing on people’s freedom to enlighten them, the precondition for moral principles and moral acts were given.

To reiterate, the produced PES of the textual agents in Figure 1 is the pre-requisite for the computation of the FES fusion dynamics in the Intention dimension, which defines their configuration. Figure 4 reflects the configuration of the folded variables. The configuration has been shown to lead to a landscape which conserves the fused energy and which leads to the holistic properties of the entire text as they are emerging through the abstraction and extraction of the termini describing the attraction of intention. Table A2 reflects the configuration of the Agent component which is expected to lead to a landscape that conserves the fused energy and which led the holistic properties of the entire text to emerge through the abstraction and extraction of the termini describing the attraction. Table A3 of the Appendix contains the extracted termini for the description of the Agent component.

Calculation and Perspectivation of Folding

An Application of the *Connes-fusion* means applying a technical operation on the base point (x) of the S^3 -matrix. Letting the base point be equal to ($q=1$) so that [$U(x)=1$] means progressive processing of [$A=(C\otimes C)$]. The connection matrix ($C\otimes C$) is resulting directly from the association of two discrete points ($\alpha_1 \neq \alpha_2$). It follows that progressive processing is definable based on a distance Δ -operator, which is folding the A -matrix. The latter makes the coupling process (C) evident and gives the folding its direct physical

meaning. Connes is according to Mackenzie (1997) ‘doing something extraordinary’, because Connes’ space consists of only two points and their *alter egos*. Hence, this space can be represented as a pair of numbers on which classical arithmetic operations can be performed despite the fact that ‘every point is twinned with an indistinguishable alter-ego’ (Mackenzie, 1997). The ‘alter-ego’ of a number is represented through a zero. The result of the processing is reproduced in Table A1 of the Appendix. Table A1 contains the measures for the Objective graph and because of processing the beta variables of the *Flow Chart*, all complexities, observed at the end of their transformations, can be circumscribed and communicated with the name associated with the descriptor of the final state attractor in Figure 4.

The Dimension of Orientation

The separation of [A-O] pairs is a very important step through which the effect of multi-layered entanglements can be cast into an Orientation as well as an Intention landscape. In Figure 3 is the terminus **Moral** emerging in bold letters in order to indicate that it is functioning as the name of the root in the Orientation dimension. What is morally important, according to Kant, is not the consequence but the way people think when they make their choices. *Kant says that only one [kind of] thing is inherently good, and that is the good will* (cited in Kant’s duty ethics). Furthermore, its presence gives the individual his inherent dignity. Since Kant himself never presented any argument for the presence of such a principle, Wood (2006, p. 1) holds that the principle has to be founded on reason. Thereby, Kant’s first supreme principle becomes an objective. Table 1 contains the transformative relationship.

Table 1

Objective: T_{83} by T_{112} to T_{113}

Mesh X	Mesh Y	Node	Value	Transformation	English
32	5	T_{83}	281.3609	Smidighet	Flexibility
2	6	T_{112}	-100.3453	Ärad	Honoured
2	5	T_{113}	181.0156	Moral	Moral

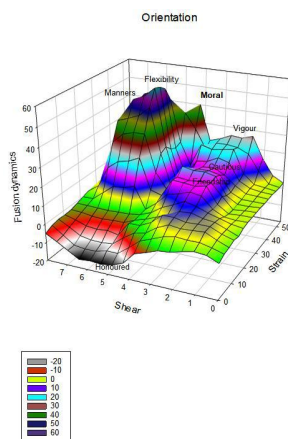


Figure 3 *The Named Attractions in the Orientation Space*

Since the state attractors of Figure 3 are the consequences of processing, their termini have, concerning the conserved information, important theoretical implications. Hence, recognizing the *Moral* principle as the final outcome implies one’s duty to ban harming oneself as well as harming others (Gert, 2015). As honoured guest, social barriers are not always transparent for the guest. Therefore, flexible behaviour is an important property in dining relaxed with friends and colleagues.

This would require that *Flexibility* helps to soften the code of polite conduct and the corresponding kind of inclination may also serve as an essential social lubricant in forming bonds. Acting in a good-humoured and respectful way has its influence in the production of a decent atmosphere that helps to promote the interaction with the people partaking in a gathering. Good Manners work in two directions: They convey one's regard to those who are the goal of interaction and, conversely, they facilitate esteem in return from those who are involved in the interaction. This relationship is a corner stone in the social architecture.

Manners relate to the state of attraction, shown in Table 2, which has resulted from the transformative effect of *Amicable* on *Decent*.

Table 2

Objective: T_{79} by T_{80} to T_{81}

Mesh X	Mesh Y	Node	Value	Transformation	English
36	5	T_{79}	264.5859	<i>Sedesam</i>	<i>Decent</i>
34	7	T_{80}	7.7550	<i>Vänskaplig</i>	<i>Amicable</i>
34	7	T_{81}	272.3409	Uppförande	Manners

An essential feature in Table 2 refers to the close and satisfying relationship between the participants in the *Chorus*. Furthermore, the transformative relationship in Table 3 suggests that people can create bonds that in a dynamic way improve reciprocal processes and thus the quality in *Responsiveness* of the participants. Hence, *Vigour* is the expression of emotional as well as mental strength.

The discovered attractor (T_{57}) of Table 3 is the source for repetition. The course of events over which the pattern of the party dominates, structures the essential manifestation of the idea of the spirit in the beverages on one hand and sustaining the hierarchy of the party.

Table 3

Objective: T_{55} by T_{56} to T_{57}

Mesh X	Mesh Y	Node	Value	Transformation	English
55	3	T_{55}	195.4620	<i>Mottaglig</i>	<i>Responsive</i>
57	1	T_{56}	5.5264	<i>Omkväde</i>	<i>Chorus</i>
57	3	T_{57}	200.9884	Vigör	Vigour

Vigour as outcome of being forceful in the *Responsive* recites of a chant which manifests that one is full of zip in the actual party ring. In its ritual as well as in its social structure, the spiritual force holds emotionally together the party through the *Chorus*. It is this *Responsive* behaviour that renders explicit the continuing juncture of hierarchy and emotional as well as mental strength.

The saddle at the right hand side of Figure 3 is marked by the state attractor *Cautious*. Table 4 presents the structural relations that have led to its establishment.

Table 4

Objective: T_{43} by T_{44} to T_{45}

Mesh X	Mesh Y	Node	Value	Transformation	English
43	3	T_{43}	146.0796	<i>Famla</i>	<i>Grope</i>
45	1	T_{44}	4.5216	<i>Försiktig</i>	<i>Careful</i>
45	3	T_{45}	150.6012	Varsam	Cautious

In agreement with the ridge, the conceptual processing indicates that being *Careful* has its impact on one's *Groping*. The possibility of the awareness of a negative affordance may be implied and may be in focus of Table 4. The cultural texture of a party ring may very well contain some hidden mines. Apparently, it is wise to anticipate some weakness and therefore to be *Careful* in one's movements on the floor. *Grope* marks a certain degree of indirectness or diffuse recognition of reality. The resulting *Cautious* behaviour underlines the participant's sensitivity to the emotions of others. Already the Stanzas of the Hávamál warned for foes or putative friends sitting at the Table, however, nearby the door (B. Bierschenk, 2016b).

Friendship determines the attractor state at a still lower overhang. As a host, in conducting the act of inviting a person with a *Toast* is meant to turn him into a brother (Lat. frater). Here, friendship has a deeper moral dimension and in this sense the terminus is based on respect for the host. The transformative relationship is given in Table 5.

Table 5

Objective: T_{35} by T_{36} to T_{37}

Mesh X	Mesh Y	Node	Value	Transformation	English
35	3	T_{35}	155.9048	<i>Fraternisera</i>	<i>Fraternize</i>
37	1	T_{36}	10.8093	<i>Skål</i>	<i>Toast</i>
37	3	T_{37}	126.7141	Vänskap	Friendship

In particular, bringing out a Toast directed towards a person of higher social rank means treating him as if he were a personal friend. Bringing out a Toast is an Ancient ritual and forms the basis for the reciprocal expression of honour. It may also accompany a drink in respect for a particular achievement or a special thing. However, most important is the deeply rooted idea of celebrating special feast occasions formally like certain holidays or memorials and new beginnings, i.e. the beginning of a new year.

In early modern drinking customs, toasting, as shown in Table 6, was a very important ingredient. It was also used at 'gästabud' (banquette) and meetings of guilds. Thereby the persons at the banquette are treated with great respect and never as a means but always as an end. Taken together, civilizing the Swedes has become dependent on the number of rational constraints that have imposed specific Swedish restriction on the single citizen's flexibility.

Table 6

Objective: 35 by 36 to T_{36}

Mesh X	Mesh Y	Node	Value	Transformation	English
36	0	35	5.5341	Nicka åt värden	Nodding to the host
37	0	36	5.2752	Drick se'n hans skål!	Drink thereafter his toast
37	1	T_{36}	10.8093	Toast	Toast

Hence, a man's virtue and inclination at the Table may have been greatly improved by his own success as well as by his promotion of the successes of others and the achievement of noble purposes. However, at the banquette, there is always some more or less significant relationship that may be improved by a man's effort.

Bellman's insights into the beer-drinking of his time are intimately connected with its festivities. Especially the people in Bellman's context was familiar with pomp and festivity, however any closer knowledge of the life of the people and their living remains unresolved since the notion now carries different connotation for example in the formulation being an 'invited guest' (Rehnberg, 1963, p. 9). In the process of synthesizing and comprehending a great variety of feasts, the culture of beer-drinking as lubricate may be accounted for as a

significant ordering variable. Moreover, feasts have existed all the time but evolutionary multi-step operations are needed to transform mutual dependencies between beer-drinking and one's place at the Table. An accessible link for capturing the forcefulness of advices of relevance for celebration has been laid down in Bellman's text.

In order to mark friendship, people were seated side by side at the Table. To be seated at the right place has come to be part of a man's social pattern. But the order belongs to the forms of friendship and the expectation to invite each other for simpler or more elaborate forms. In historical times, invited friends have both celebrated trust as well as cheating as for example at the famous *Nyköping gästabad in December 1317* (Rehnberg, 1963, pp. 9-11).

The Dimension of Intention

To reiterate, the produced PES of Figure 1 is the pre-requisite for the computation of the FES fusion dynamics of Figure 4, which defines the configuration of Intention. Table A2 reflects the configuration of the agent variables. This is expected to lead to a landscape which conserves the fused energy and which led the holistic properties of the entire text emerge through the abstraction and extraction of the termini describing the attraction. Table A3 of the Appendix contains the extracted termini for the description of the Agent component.

The privileged Germanic consciousness is unique in certain respects. With an eye on evolutionary processes, the Germanic view is pragmatic and oriented towards the present (Bauschatz, 1985). This on the other hand does not mean that the past is inaccessible or has disappeared into the clouds of forgetting. Seen in an archeologic frame of reference, the past becomes accentuated through transformative processes, which produce novel forms of existence. Instrumental in this process is the *Germanic beer-drinking pattern* through which the past is flowing into the present and thereby facilitating some far-reaching concepts.

Decorative images on wood, stoneware or glass shaped the imperial eagle in the 16th and 17th century as a sign of emotional relationship of a broad public with the *Holy Roman Empire*. The imperial eagle was the most popular motif on the *Amphora Capitolina*, holding 26 liters, and remained so until the end of the Empire. As an expression of solidarity, it was an especially strong symbol.

In Figure 4, **Flexibility** marks the root of the dimension. The terminus is describing how the participants are required to cope with a fellow under changing circumstances and to parry at a banquette upcoming teasing troubles in novel ways. The corresponding attractor (T₁₁₁) describes the middle region in the mountain at the right-hand side. Its value of (q=+72) is expressing the *balance* one has achieved in acceptance of the etiquette and one's adaptation to situational demands.

Shy is the attractor (T₆₇) at the highest peak (q=+183) in the landscape of Intention which marks an inner-directed attention which seems to be concentrated on the sensitivity to impression. Imagination and drinking accentuates the world fiction and fellow feeling. The timid nature of a person in the round may be enjoyable because of his lively fantasy concerning the motif on the drinking vessel. Apart from being decorated with an eagle, the beaker symbolizes the resilient unit of a round of men. It is clear from Bellman's poetry that closing one's eyes help to remember what is vital in the encouragement of togetherness.

Power attributed to the painted beaker is represented by the attractor (T₆₅), which occurred at the route marked at (q=+176) of the rising mountain. As an expression of power, the large capacity of the Imperial Eagle beaker was used during the Middle Ages and until early modern times together with Toasts in order to encourage merry revelling and drinking feasts. Obviously, it appears as no accident that Richard Braithwaite's (1588-1673) endeavour to ward off melancholy has found its way into Bellman's poetry.

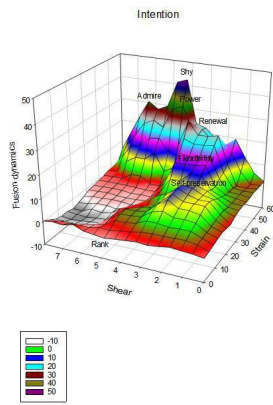


Figure 4 *The Described Attractions in the Intention Space*

Admire is the descriptor of the attractor (T_{63}), which appears with a value of ($q=+171$) at the left-hand side in the Intention landscape. The kind of attraction, connected with one's admiration of fellow men is partly associated with acuity in the perception of the skills, talents and achievements of others to be honoured at the banquet. Moreover, participation in such a celebration stimulates the expression of pleasure and approval. Blended with socially acceptable Fawn ('fjäska'), the appreciation of emotion includes esteem of and respect for others.

Renewal means repeated refrains in order to spur the participants at the Table. The intention is to approach the desired goal of uniting the guests. The attractor (T_{59}) appears at the right-hand side of the lower mountain massif with a value of ($q=+156$). By simply repeating the words ('Fresh guys!') within this poetical line, the words secure the singers' emphasis and their continued engagement. To lit different qualities in the context of a Chorus means being effective due to repetition. Since the composer is forcing the focus of the fellow men, sitting at the Table, on the essence, important details are exposed repeated times and apt to create a common feasting spirit.

Naturally, *Self-preservation* comes into view at the first ridge right-hand side. This attractor (T_{103}) carries the value of ($q=+137$) and is addressing a behaviour that ensures one's maintenance of esteem for one-self and others. Esteem motivates the individual to act according to the code of polite behaviour. Besides any intensive pressure, inner-directed coping prevents the mind from distorting influences due to embarrassing party experiences. Thus, the attractor ensures the possibility of a sustainable and enjoyable time at the Table.

Finally, *Rank* is a descriptor that appears below sea-level in the low left corner in the landscape of Intention. The attractor (T_{103}) carries the value of ($q=-65$). With reference to implicitness in the poetry, the incentive to treat drinking as a constructive force and to hold those in high regard who did not stand sour but drank and boasted forcefully. At beer-drinking, trails of cup offerings include both smart moves and an attempt to earn a better position by fulfilling the boast. This means that the longstanding tradition of cup offering needs to be carried out accurately according to the rules structuring the banquet.

Discussion

Thus far, the results outlined are showing that the formed strategy refers to various forms of emerging value judgements. Instead of becoming self-aware as in the stages before Enlightenment, the call now is on becoming *wise*. This stage is also the stage where the individual is emerging from his self-incurred immaturity. Structured around the Orientation dimension, the *Moral* principle appears as part of the Objective component. Only through this

component can the moral law become objectively meaningful which indicates a dramatic change with its emergence.

Thus, *verification of the first Kantian principle, namely Duty*, must come from its complement in the form of the individual's *Inclination*, which is founded on behavioural *Flexibility*. Consistent with the spirit of the banquet the concept includes a reference to the dependency relation between the concepts of *Etiquette* and *Manners*, that is, some kind of norms for behaviour that have been uncovered as distinct from moral claims but are those cultural qualities that facilitate party life. For this reason, *Flexibility* is firmly rooted in the Agent component. The descriptive property of the root of the intention is founded on the agents who are self-directing. An inclination means to act only when an emotionally given object is selected as the desired end (Wood, 2006, p. 9). Hence, the bi-componential disparity of the subjective (emotional) given inclination and the objective given categorical imperative determines free will. In conclusion Kant (1784) wrote:

Enlightenment is man's emergence from his self-incurred immaturity. Immaturity is the inability to use one's own understanding without the guidance of another. This immaturity is self-incurred if its cause is not lack of understanding, but lack of resolution and courage to use it without the guidance of another. The motto of enlightenment is therefore: Sapere aude! Have courage to use your own understanding!

Against this background, it would have been a mistake to circumvent one of the most celebrated lyric poets of the time. The fact that the analysed song has been selected for the present study despite the fact that it is quite complex and that it does not pertain to the most known songs, may be justified on the basis of the kind of revelries, wisdom and rules of conduct that are offered. However, most important is the fact that Bellman could not satisfy Kant's premise of avoiding and preventing harm to others. As a matter of fact his friend Tilas, the nobleman and poet Samuel Olof Tilas, did not attend to his older friend's fatherly advice (Rehnberg, 1963, p. 56).

Finally, if the application of Greene's *space-tearing hypothesis* would have turned out to be a misconception of the ideas behind the split of the (AaO) unity, there would be, according to Greene (1999, p. 278), *no reason in the world to expect anything but a random collection of digits*. Thus, when Greene's mirror-strategy is adopted, it becomes possible to separate intention from orientation and to carry out an evidently rigorous examination of the validity of the AaO principle.

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Appendix

Flow-Chart

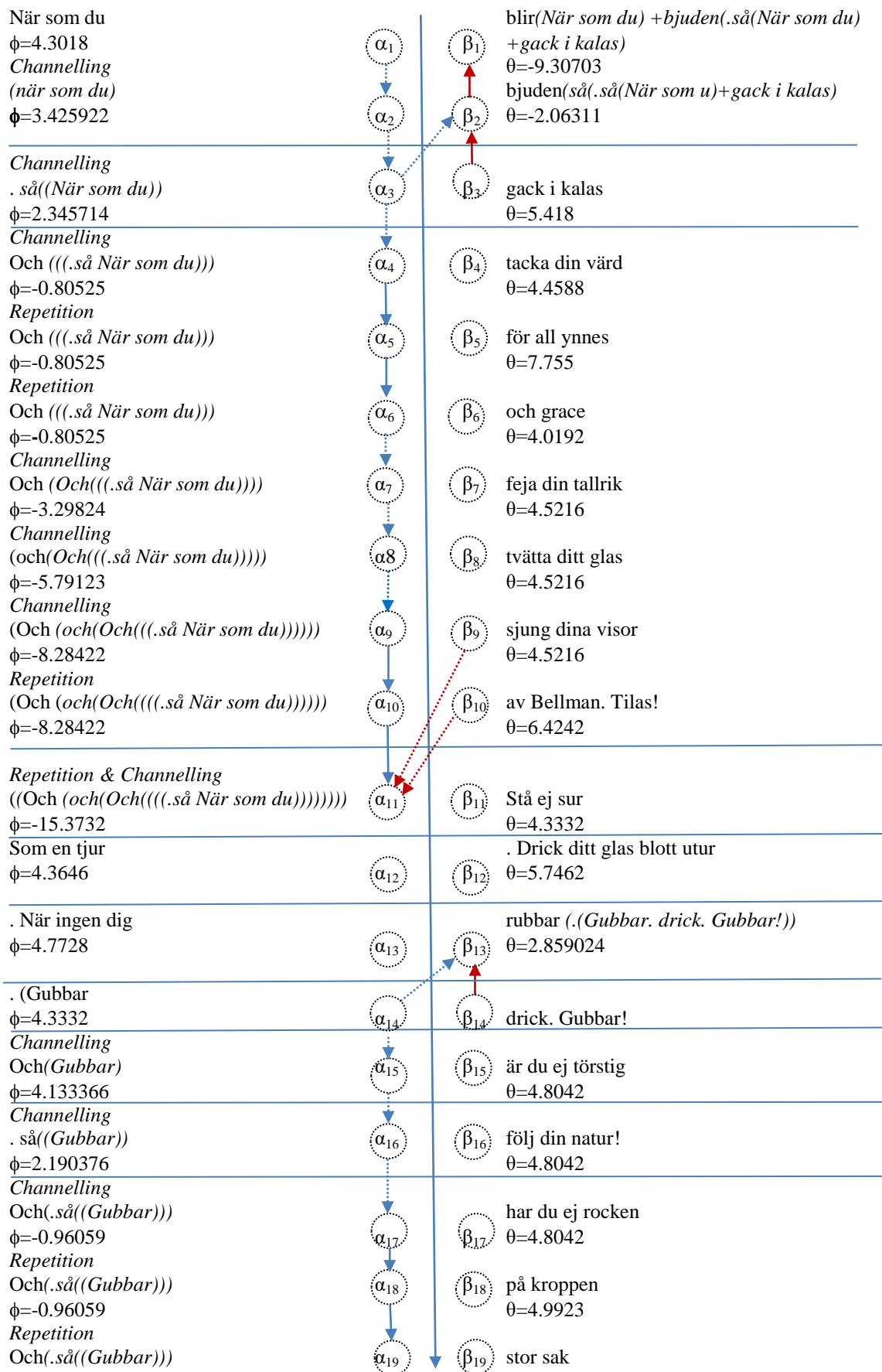
Tables

Table A1 *Transformation of beta Variables*

Table A2 *Transformation of the alpha Variables*

Table A3 *Extraction of termini from the O-mesh*

Bellman-Flow Chart:



$\phi = -0.96059$

$\theta = 4.3332$

*Channelling**.(Och(.så((Gubbar)))*

$\phi = -3.56358$

*Channelling**och(. (Och(.så((Gubbar))))*

$\phi = -5.92441$

Gäst

$\phi = 3.5796$

*Channelling**(Gäst)*

$\phi = 3.608017$

*Channelling**((Gäst))*

$\phi = 1.867809$

*Channelling**((((Gäst)))*

$\phi = -1.20802$

*Channelling**. (((((Gäst))))*

$\phi = -2.94823$

*Repetition**. (((((Gäst))))*

$\phi = -2.94823$

*Repetition**. (((((Gäst))))*

$\phi = -2.94823$

Fast du

$\phi = 3.9564$

*Channelling**(Fast du)*

$\phi = 4.11593$

*Repetition**(Fast du)*

$\phi = 4.11593$

*Channelling**((Fast du))*

$\phi = -1.0401$

Att ingen dig

$\phi = 4.7728$

.(Gubbar

$\phi = 4.3332$

*Channelling**Och (Gubbar)*

$\phi = 4.133366$

*Channelling**och (Och (Gubbar))*

$\phi = 1.640376$

Men om du

$\phi = 3.2332$

*Repetition**(Men om du)*

$\phi = 3.2332$

*Repetition**(Men om du)* α_{20} α_{21} α_{22} α_{23} α_{24} α_{25} α_{26} α_{27} α_{28} α_{29} α_{30} α_{31} α_{32} α_{33} α_{34} α_{35} α_{36} α_{37} α_{38} α_{39} β_{20} β_{21} β_{22} β_{23} β_{24} β_{25} β_{26} β_{27} β_{28} β_{29} β_{30} β_{31} β_{32} β_{33} β_{34} β_{35} β_{36} β_{37} β_{38} β_{39}

Kom uti västen

$\theta = 4.4588$

håll dig helt rak!

$\theta = 5.181$

som(*är*(*Gäst*+*bjuden*((*Gäst*+*bör*(*Gäst*+*bli under tak*))

$\theta = -19.6155$

bjuden(*Gäst*+*bör*+((*Gäst*+*bli under tak*))

$\theta = -13.2445$

bör(*Gäst*+*bli under tak*)

$\theta = -4.06097$

bli under tak

$\theta = 4.4274$

Nyttja sitt nöje

$\theta = 4.5216$

. sin frihet

$\theta = 4.396$

och smak.

$\theta = 4.3332$

tål(*.Fast du*+*Var ej snål*)

$\theta = 0.547338$

Var ej snål

$\theta = 4.3646$

vid en(*Fast du*+*rykande bål*)

$\theta = -3.9880$

rykande bål

$\theta = 4.0820$

snubbar(*.Gubbar*+*drick.gubbar!*)

$\theta = 2.921824$

drick. gubbar!

$\theta = 5.4950$

nicka åt värden

$\theta = 5.5341$

drick se'n hans skål!

$\theta = 5.2752$

blir sömnig

$\theta = 4.0820$

och tunger

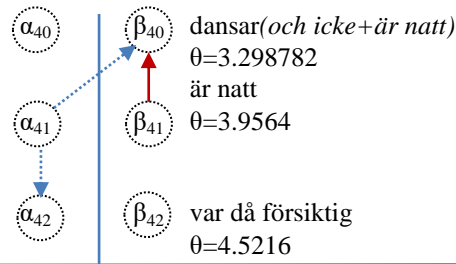
$\theta = 4.0506$

och matt

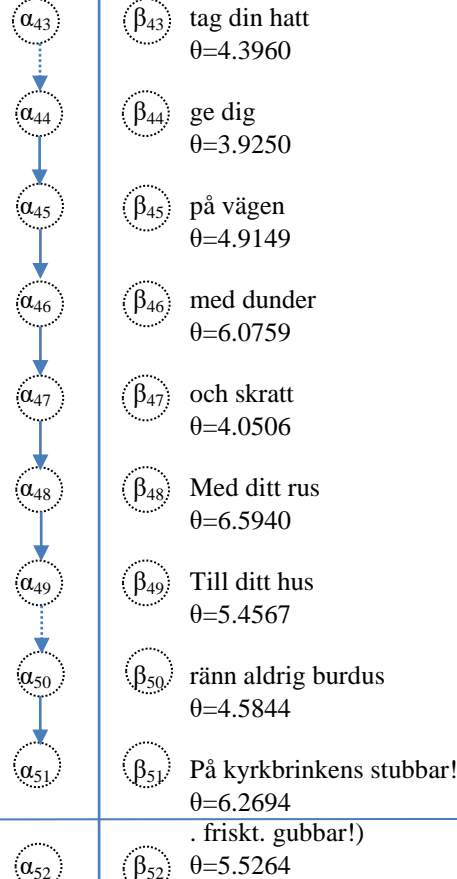
$\phi=3.2332$ $\theta=3.9878$

Och solen än
 $\phi=4.3960$
 Och icke
 $\phi=3.9878$

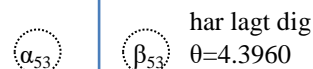
Channelling
 . så(*och icke*)
 $\phi=4.77593$



. i tid
 $\phi=3.1860$
Channelling
 Och(.i tid)
 $\phi=4.430063$
Repetition
 Och(.i tid))
 $\phi=4.430063$
Repetition
 Och(.i tid))
 $\phi=4.430063$
Repetition
 Och(.i tid))
 $\phi=4.430063$
Repetition
 Och(.i tid))
 $\phi=4.430063$
Channelling
 . Men(*Och(.i tid))*)
 $\phi=2.542073$
Repetition
 (. Men(*Och(.i tid))*)
 $\phi=2.542073$
 (Gubbar
 $\phi=3.9878$

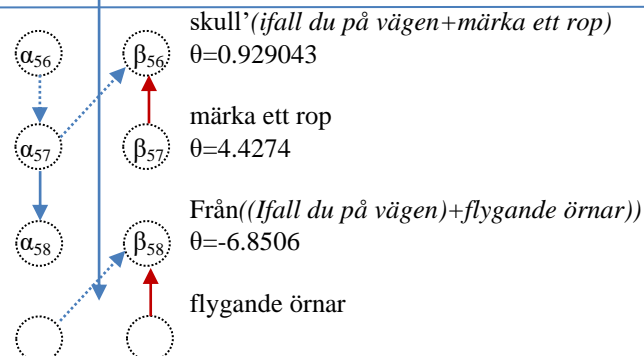


Men se'n du
 $\phi=4.3646$



Channelling
 .så(*Men se'n du*)
 $\phi=4.675837$
Channelling
 (.så(*Men se'n du*))
 $\phi=0.809876$

Ifall du på vägen
 $\phi=3.6344$
Channelling
 (Ifall du på vägen)
 $\phi=3.59359$
Repetition
 (Ifall du på vägen)
 $\phi=3.59359$
Channelling
 ((Ifall du på vägen))



$\phi=1.24382$ <i>Repetition</i> <i>((Ifall du på vägen))</i> $\phi=1.24382$ <i>Channelling</i> <i>((Ifall du på vägen)))</i> $\phi=1.09683$	α_{59} β_{59} $\theta=4.1762$ <p>på<i>(Ifall du på väg+måladestop)</i> $\theta=-9.20403$ målade stop $\theta=4.0820$</p>
<i>Channelling</i> <i>. så(((Ifall du på vägen))))</i> $\phi=-2.17703$ <i>Channelling</i> <i>(.så(((Ifall du på vägen))))</i> $\phi=-6.043$ <i>Channelling</i> <i>.(.så(((Ifall du på vägen))))</i> $\phi=-7.7832$	β_{62} låts icke $\theta=4.0192$ β_{63} höra. <i>((så(Ifall du på vägen)+ge fan alltihop)</i> $\theta=-11.3188$ β_{64} ge fan alltihop $\theta=4.4902$
<i>Channelling</i> <i>.(.så(((Ifall du på vägen))))</i> $\phi=-10.2540$ <i>Repetition</i> <i>.(.så(((Ifall du på vägen))))</i> $\phi=-10.2540$ <i>Channelling</i> <i>och(((.så(((Ifall du på vägen))))</i> $\phi=-12.6149$	β_{65} Se stint ner $\theta=4.3960$ β_{66} åt marken $\theta=4.4902$ β_{67} sky för din grop! $\theta=9.0200$
Om en glad $\phi=3.2568$ <i>Channelling</i> <i>och(Om en glad)</i> $\phi=4.410339$ <i>Channelling</i> <i>. Så(och(Om en glad))</i> $\phi=2.467349$	β_{68} kom <i>(Om en glad+bad(så(omen glad+gå icke åstad)</i> $\theta=-8.86791$ β_{69} bad <i>(så(omen glad+gå icke åstad)</i> $\theta=-1.90635$ β_{70} gå icke åstad $\theta=4.4274$
Fast han <i>Channelling</i> <i>och (Fast han)</i> $\phi=4.133366$	β_{71} lockar <i>(Och(Fast han+tubbar(och Fast han+Gubbar+frisk. gubbar))</i> $\theta=-8.86791$ β_{72} tubbar <i>(och Fast han+Gubbar+frisk. gubbar)</i> $\theta=2.852336$
(Gubbar $\phi=4.3332$ <i>Channelling</i> <i>((Gubbar</i> $\phi=3.418366$ <i>Repetition</i> <i>((Gubbar</i> $\phi=3.418366$	β_{73} friskt. gubbar!) $\theta=5.5264$ β_{74} kryp in <i>(till en flicka.rosendebblad!)</i> $\theta=0.305117$ β_{75} till en flicka. rosendebblad! $\theta=7.6239$

Table A1*Transformation of β -variables*

<i>X</i>	<i>Y</i>	<i>Node</i>	<i>Value</i>	<i>Transformation</i>	<i>English</i>
0	0	0	0		
0	1	3	5.4180	Gack i kalas	Go to the party
1	0	4	4.4588	Tacka din värd	Thank your host
1	1	T₁	9.8768	Bjudning	Invitation
2	0	6	4.0192	Grace	Favour
3	0	7	4.5216	Feja din tallrik	Clean your plate
3	1	T₂	8.5408	Middag	Banquette
<i>1</i>	<i>1</i>	<i>T₁</i>	<i>9.8768</i>	<i>Bjudning</i>	<i>Invitation</i>
<i>3</i>	<i>1</i>	<i>T₂</i>	<i>8.5408</i>	<i>Middag</i>	<i>Banquette</i>
3	2	T₃	18.4176	Lyx	Luxury
4	0	D	0		
5	0	8	4.5216	Tvätta ditt glas	Wash your glass
5	1	T₄	4.5216	Skölj	Rinse
<i>3</i>	<i>2</i>	<i>T₃</i>	<i>18.9200</i>	<i>Lyx</i>	<i>Luxury</i>
<i>5</i>	<i>1</i>	<i>T₄</i>	<i>4.5216</i>	<i>Skölj</i>	<i>Rinse</i>
5	2	T₅	22.9392	Fröjd	Delight
6	0	D	0		
7	0	9	4.5216	Sjung dina visor	Sing your songs
7	1	T₆	4.5216	Fest	Feast
<i>5</i>	<i>2</i>	<i>T₅</i>	<i>23.4416</i>	<i>Fröjd</i>	<i>Delight</i>
<i>7</i>	<i>1</i>	<i>T₆</i>	<i>4.5216</i>	<i>Fest</i>	<i>Feast</i>
7	2	T₇	27.4608	Avkoppling	Relaxing
8	0	D	0		
9	0	10	6.4242	Av Bellman,Tilas!	Of Bellman, Tilas!
9	1	T₈	6.4242	Uppmaning	Urging
<i>7</i>	<i>2</i>	<i>T₇</i>	<i>27.4608</i>	<i>Avkoppling</i>	<i>Relaxing</i>
<i>9</i>	<i>1</i>	<i>T₈</i>	<i>6.4242</i>	<i>Uppmaning</i>	<i>Urging</i>
9	2	T₉	33.8850	Lättsamhet	Easy-going
10	0	D	0		
11	0	11	4.3332	Stå ej sur	Do not stand sour
11	1	T₁₀	4.3332	Uppmuntran	Incentive
<i>9</i>	<i>2</i>	<i>T₉</i>	<i>33.8850</i>	<i>Lättsamhet</i>	<i>Easy-going</i>
<i>11</i>	<i>1</i>	<i>T₁₀</i>	<i>4.3332</i>	<i>Uppmuntran</i>	<i>Incentive</i>
11	2	T₁₁	38.2182	Sympati	Tender
12	0	12	5.7462	Drick glas blott utur	Drink out the glass
13	0	13	2.859024	Rubbar (gubbar, drick, gubbar)	Upsets(Old men+drink Old men)
13	1	T₁₂	8.605224	Botten-upp	Bottom-up
<i>11</i>	<i>2</i>	<i>T₁₁</i>	<i>38.2182</i>	<i>Sympati</i>	<i>Tender</i>
<i>13</i>	<i>1</i>	<i>T₁₂</i>	<i>8.605224</i>	<i>Botten-upp</i>	<i>Bottom-up</i>

13	2	T₁₃	42.490224	Känning	Sensing
14	0	D	0		
15	0	14	5.4950	drick, Gubbar!	Drink, Old men!
15	1	T₁₄	5.4950	Quorum	Quorum
13	2	T ₁₃	42.490224	Känning	Sensing
15	1	T ₁₄	5.4950	Quorum	Quorum
15	2	T₁₅	47.985224	Anda	Spirit
16	0	D			
17	0	15	4.8042	Är du ej törstig	If you are not thirsty
17	1	T₁₆	4.8042	Tillfreds	Satisfied
15	2	T ₁₅	47.985224	Anda	Spirit
17	1	T ₁₆	4.8042	Tillfreds	Satisfied
17	2	T₁₇	52.789424	Sans	Sober
18	0	D			
19	0	16	4.8042	Följ din natur!	Follow your nature!
19	1	T₁₈	4.8042	Kynne	Mood
17	2	T ₁₇	52.789424	Sans	Sober
19	1	T ₁₈	4.8042	Kynne	Mood
19	2	T₁₉	57.593624	Behärskad	Controlled
20	0	17	4.8042	Har du ej rocken	Have you no coat
21	0	18	4.9923	På kroppen	On the body
21	1	T₂₀	9.7969	Oklädd	Uncovered
19	2	T ₁₉	57.593624	Behärskad	Controlled
21	1	T ₂₀	9.7969	Oklädd	Uncovered
21	2	T₂₁	67.390124	Sårbar	Vulnerable
22	0	D			
23	0	19	4.3332	Stor sak	Great thing
23	1	T₂₂	4.3332	Strunta	Flout
21	2	T ₂₁	67.390124	Sårbar	Vulnerable
23	1	T ₂₂	4.3332	Strunta	Flout
23	2	T₂₃	71.723324	Våga	Venture
24	0	20	4.4588	Kom uti västen	Come out of the vest
25	0	21	5.1810	Håll dig helt rak!	Stay up perfectly right!
25	1	T₂₄	9.6398	Respektabel	Upright
23	2	T ₂₃	71.723324	Våga	Venture
25	1	T ₂₄	9.6398	Respektabel	Upright
25	3	T₂₅	81.363124	Frestelse	Temptation
26	0	25	4.4274	Bli under tak	Be covered
27	0	26	4.5216	Nyttja sitt nöje	Use its amusement
27	1	T₂₆	8.9490	Sorglöshet	Carefree
28	0	27	4.3960	, sin frihet	One's freedom
29	0	28	4.3332	Och smak.	And taste
29	1	T₂₇	8.7292	Stil	Style

27	1	T_{26}	8.9490	<i>Sorglöshet</i>	<i>Carefree</i>
29	1	T_{27}	8.7292	<i>Stil</i>	<i>Style</i>
29	2	T_{28}	17.6782	Libertin	Libertine
25	3	T_{25}	81.363124	<i>Frestelse</i>	<i>Temptation</i>
29	2	T_{28}	17.6782	<i>Libertin</i>	<i>Libertine</i>
29	3	T_{29}	99.041324	Provocera	Provoke
30	0	30	4.3646	Var ej snål	Was not stingy
31	0	32	4.0820	Rykande bål	Rykande bål
31	1	T_{30}	8.4466	Generös	Generous
29	3	T_{29}	99.041324	<i>Provocera</i>	<i>Provoke</i>
31	1	T_{30}	8.4466	<i>Generös</i>	<i>Generous</i>
31	3	T_{31}	107.487924	Fåfänga	Vanity
32	0	D	0		
33	0	33	2.921824	Snubbar (Gubbar+drick, Gubbar!)	Dudes(Guys+drink, Old men)
33	1	T_{32}	2.921824	Följeslagare	Companion
31	3	T_{31}	107.487924	<i>Fåfänga</i>	<i>Vanity</i>
33	1	T_{32}	2.921824	<i>Följeslagare</i>	<i>Companion</i>
33	3	T_{33}	110.409748	Dryckeslag	Bout
34	0	D			
35	0	34	5.4950	drick, Gubbar!	Drink, Old men!
35	1	T_{34}	5.4950	Quorum	Quorum
33	3	T_{33}	110.409748	<i>Dryckeslag</i>	<i>Bout</i>
35	1	T_{34}	5.4950	<i>Quorum</i>	<i>Quorum</i>
35	3	T_{35}	155.904748	Fraternisera	Fraternize
36	0	35	5.5341	Nicka åt värden	Nodding to the host
37	0	36	5.2752	Drick se'n hans skål!	Drink thereafter his toast
37	1	T_{36}	10.8093	Skål	Toast
35	3	T_{35}	155.904748	<i>Fraternisera</i>	<i>Fraternize</i>
37	1	T_{36}	10.8093	<i>Toast</i>	<i>Toast</i>
37	3	T_{37}	126.714048	Vänskap	Friendship
38	0	37	4.0820	Blir sömnig	Gets sleepy
39	0	38	4.0506	Och tungar	And heavy
39	1	T_{38}	8.1226	Däst	Bloated
40	0	39	3.9878	Och matt	And matt
41	0	40	3.298782	Dansar (och icke är natt)	Refraction
41	1	T_{39}	7.286582	Förtätad	Condensed
39	1	T_{38}	8.1226	<i>Däst</i>	<i>Bloated</i>
41	1	T_{39}	7.286582	<i>Förtätad</i>	<i>Condensed</i>
41	2	T_{40}	15.409182	Obehag	Uneasy
37	3	T_{37}	126.714048	<i>Vänskap</i>	<i>Friendship</i>
41	2	T_{40}	15.409182	<i>Obehag</i>	<i>Edgy</i>
41	3	T_{41}	142.12323	Ansträngd	Strained
42	0	D			

43	0	41	3.9564	Är natt	Natt
43	1	T₄₂	3.9564	Mörker	Darkness
41	3	T ₄₁	142.12323	Ansträngd	Strained
43	1	T ₄₂	3.9564	Mörker	Darkness
43	3	T₄₃	146.07963	Famla	Grope
44	0	D	0		
45	0	42	4.5216	Var då försiktig	Be careful when
45	1	T₄₄	4.5216	Försiktig	Careful
43	3	T ₄₃	146.07963	Famla	Grope
45	1	T ₄₄	4.5216	Försiktig	Careful
45	3	T₄₅	150.60123	Varsam	Cautious
46	0	43	4.3960	Tag din hatt	Take your hat
47	0	44	3.9250	Ge dig	Give you
47	1	T₄₆	8.3210	Farväl	Farewell
48	0	45	4.9149	På vägen	On the road
49	0	46	6.0759	Med dunder	With thunder
49	1	T₄₇	10.9908	Rumlande	Rumbling
47	1	T ₄₆	8.3210	Farväl	Farewell
49	1	T ₄₇	10.9908	Rumlande	Rumbling
49	2	T₄₈	19.3118	Avtåg	Move-off
50	0	D			
51	0	47	4.0506	Och skratt	And laughter
51	1	T₄₉	4.0506	Skratt	Laughter
49	2	T ₄₈	19.3118	Avtåg	Move-off
51	1	T ₄₉	4.0506	Skratt	Laughter
51	2	T₅₀	23.3624	Tjatter	Jabber
45	3	T ₄₅	150.60123	Varsam	Cautious
51	2	T ₅₀	23.3624	Tjatter	Jabber
51	3	T₅₁	173.396363	Oljud	Noise
52	0	48	6.5940	Med ditt rus	With your rus
53	0	49	5.4567	Till ditt hus	To your house
53	1	T₅₂	10.6446	Trygg	Secure
51	3	T ₅₁	173.396363	Oljud	Noise
53	1	T ₅₂	10.6446	Trygg	Secure
53	3	T₅₃	184.60823	Sordin	Sourdine
54	0	50	4.5844	Ränn aldrig burdus	Ran never blunt
55	0	51	6.2694	På kyrkbrinkens stubbar	On the church hill's stumps
55	1	T₅₄	10.8538	Vaksam	Vigilant
53	3	T ₅₃	184.60823	Sordin	Sourdine
55	1	T ₅₄	10.8538	Vaksam	Vigilant
55	3	T₅₅	195.46203	Mottaglig	Responsive
56	0	D	0		
57	0	52	5.5264	, Friskt, gubbar!	Fresh, guys!
57	1	T₅₆	5.5264	Omkväde	Chorus

55	3	T_{55}	195.46203	Mottaglig	Responsive
57	1	T_{56}	5.5264	Omkväde	Chorus
57	3	T_{57}	200.98843	Vigör	Vigour
58	8		00		
57	8	D	0		
56	8	53	4.3960	Har lagt dig	You be in bed
56	7	T_{58}	4.3960	Vila	Rest
57	3	T_{57}	200.98843	Vigör	Vigour
56	7	T_{58}	4.3960	Vila	Rest
56	6	T_{59}	205.38443	Förnya	Renewal
55	8	54	3.9250	Kan du	Can you
54	8	55	4.3018	Ta ljus.	Take light
54	7	T_{60}	8.2268	Upplysning	Illumination
56	6	T_{59}	205.38443	Förnya	Renew
54	7	T_{60}	8.2268	Upplysa	Illuminate
54	6	T_{61}	213.61123	Skärpa	Clarity
53	8	57	4.4274	Märka ett rop	Sensing a shout
52	8	59	4.1762	Flygande örnar	Flying eagles
52	7	T_{62}	8.6036	Styrka	Strength
51	8	D	0		
50	8	61	4.0820	Målade stop	Painted beaker
50	7	T_{63}	4.0820	Makt	Power
52	7	T_{62}	8.6036	Styrka	Strength
50	7	T_{63}	4.0820	Makt	Power
50	6	T_{64}	12.6856	Imponerande	Impressive
54	6	T_{61}	213.61123	Skärpa	Clarity
50	6	T_{64}	12.6856	Imponerande	Impressive
50	5	T_{65}	226.29683	Dyrka	Admire
49	8	D	0		
48	8	62	4.0192	Låts icke	Non pretend
48	7	T_{66}	4.0192	Verklighet	Reality
50	5	T_{65}	226.29683	Dyrka	Admire
48	7	T_{66}	4.0192	Realitet	Reality
48	5	T_{67}	230.31603	Ruelse	Remorse
47	8	D	0		
46	8	64	4.4902	Ge fan alltihop	Give damn it all
46	7	T_{68}	4.4902	Ståndaktig	Steadfast
48	5	T_{67}	230.31603	Ruelse	Remorse
46	7	T_{68}	4.4902	Ståndaktig	Steadfast
46	5	T_{69}	234.80623	Självbevarande	Self-preserving
45	8	65	4.3960	Se stint ner	See stint down
44	8	66	4.9536	Åt marken	To the ground
44	7	T_{70}	9.3496	Skygga	Shy

46	5	T_{69}	234.80623	<i>Självbevarande</i>	<i>Self-preserving</i>
44	7	T_{70}	9.3496	<i>Skygga</i>	<i>Shy</i>
44	5	T_{71}	244.15583	Freda	Appease
43	8	D	0		
42	8	70	4.4274	Gå icke åstad	Do not leave
42	7	T_{72}	4.4274	Uthärda	Withstand
44	5	T_{71}	244.15583	<i>Freda</i>	<i>Appease</i>
42	7	T_{72}	4.4274	<i>Uthärda</i>	<i>Withstand</i>
42	5	T_{73}	248.5823	Tålmodig	Patient
41	8	D	0		
40	8	72	2.852336	Tubbar (Gubbar+friskt, gubbar!)	Lure (Guys+Fresh, guys!)
40	7	T_{74}	2.852336	Tryga	Impel
42	5	T_{73}	248.5823	<i>Tålmodig</i>	<i>Patient</i>
40	7	T_{74}	2.852336	<i>Tryga</i>	<i>Impel</i>
40	5	T_{75}	251.435566	Fjäska	Fawn
39	8	D	0		
38	8	73	5.5264	, friskt, gubbar!	Fresh guys!
38	7	T_{76}	5.5264	Sporra	Spur
40	5	T_{75}	251.435566	<i>Fjäska</i>	<i>Fawn</i>
38	7	T_{76}	5.5264	<i>Sporra</i>	<i>Spur</i>
38	5	T_{77}	256.961966	Smicker	Flattery
37	8	D	0		
36	8	75	7.6239	Till en flicka, ett rosendeblad	To a girl, a rose petals
36	7	T_{78}	7.6239	Orörd	Virgin
38	5	T_{77}	256.961966	<i>Smicker</i>	<i>Flattery</i>
36	7	T_{78}	7.6239	<i>Orörd</i>	<i>Virgin</i>
36	5	T_{79}	264.585866	Sedesam	Decent
35	8	D	0		
34	8	5	7.7550	För all ynnas	For all kindness
34	7	T_{80}	7.7550	Vänskaplig	Amicable
36	5	T_{79}	264.585866	<i>Sedesam</i>	<i>Decent</i>
34	7	T_{80}	7.7550	<i>Vänskaplig</i>	<i>Amicable</i>
34	7	T_{81}	272.340866	Uppförande	Manners
33	8	D	0		
32	8	67	9.02	Sky för din grop!	Avoid your pit!
32	7	T_{82}	9.02	Omväg	Detour
34	7	T_{81}	272.340866	<i>Uppförande</i>	<i>Manners</i>
32	7	T_{82}	9.02	<i>Omväg</i>	<i>Detour</i>
32	5	T_{83}	281.360866	Smidighet	Flexibility
31	8	D	0		
30	8	29	0.547338	Tål (, du+var ej snål)	Tolerate(du+not stingy)
30	7	T_{84}	0.547338	Frikostig	Open-handed
29	8	D	0		
28	8	56	0.929043	Skull' (ifall du på vägen+märka	Would(if you are on the road+

				ett rop)	sense a shout)
28	7	T₈₅	0.929043	Lockelse	Attraction
30	7	T ₈₄	0.547338	Frikostig	Open-handed
28	7	T ₈₅	0.929043	Lockelse	Attraction
28	6	T₈₆	1.476381	Förförisk	Seductive
27	8	D	0		
26	8	69	-1.90635	Bad(,så(om en glad)+gå icke åstad))	Begged(so(if happy)+stay)
26	7	T₈₇	-1.90635	Varning	Warning
28	6	T ₈₆	1.476381	Förförisk	Seductive
26	7	T ₈₇	-1.90635	Varning	Warning
26	6	T₈₈	-0.429969	Tygla	Constriction
25	8	D	0		
24	8	74	0.305117	Kryp in(till en flicka, ett rosendeblad)	Creep into(To a girl, a rose petals)
24	7	T₈₉	0.305117	Fånga	Catch
26	6	T ₈₈	-0.429969	Tygla	Constrict
24	7	T ₈₉	0.305117	Fånga	Catch
24	6	T₉₀	-0.124852	Tämja	Curb
23	8	D	0		
22	8	2	-2.06311	Bjuden(så (När som du)+gack i kalas))	Invited (When you)+ Go to the party))
22	7	T₉₁	-2.06311	Njutning	Enjoyment
24	6	T ₉₀	-0.124852	Tämja	Curb
22	7	T ₉₁	-2.06311	Njutning	Enjoyment
22	6	T₉₂	-2.187962	Inskränkta	Limiting
21	8	D	0		
20	8	24	-4.06097	Bör (Gäst+bli under tak)	Should (guest+be covered)
20	7	T₉₃	-4.06097	Inomhus	Indoors
22	6	T ₉₂	-2.187962	Inskränkta	Limiting
20	7	T ₉₃	-4.06097	Inomhus	Indoors
20	6	T₉₄	-6.248932	Avskildhet	Privacy
19	8	D	0		
18	8	31	-3.9880	Vid en (du+rykande bål)	At a (you+steaming bowl)
18	7	T₉₅	-3.9880	Smaka	Taste
20	6	T ₉₄	-6.248932	Avskildhet	Privacy
18	7	T ₉₅	-3.9880	Smaka	Taste
18	6	T₉₆	-10.236932	Välkomnad	Welcomed
17	8	D	0		
16	8	58	-6.8506	Från (Ifall du på vägen+flygande örnar)	From (if you are on the road+Flying eagles)
16	7	T₉₇	-6.8506	Avslöande	Unveiling
18	6	T ₉₆	-10.236932	Välkomnad	Welcomed
16	7	T ₉₇	-6.8506	Avslöande	Unveiling
16	6	T₉₈	-17.087532	Status	Status

15	8	D	0		
14	8	61	-9.20403	På (Ifall du på vägen+målade stop)	On (if you are on the road+paintd beaker)
14	7	T₉₉	-9.20403	Sällskaplighet	Sociability
16	6	T ₉₈	-17.087532	Status	Status
14	7	T ₉₉	-9.20403	Sällskaplighet	Sociability
14	6	T₁₀₀	-26.291562	Ordning	Order
13	8	D	0		
12	8	1	-9.30703	Blir (När som du)+bjuden (,så (När som du)+gack i kalas)	Becomes (When you)+invited (When you)+ go to the party))
12	7	T₁₀₁	-9.30703	Mottagande	Reception
14	6	T ₁₀₀	-26.291562	Ordning	Order
12	7	T ₁₀₁	-9.30703	Mottagande	Reception
12	6	T₁₀₂	-35.598562	Etikett	Etiquette
11	8	D	0		
10	8	68	-8.8679	Kom(och Om en glad +bad(så(om en glad+gå icke åstad))	Come (if a happy one (Begged (so(if a happy one)+stay
10	7	T₁₀₃	-8.8679	Parera	Parry
12	6	T ₁₀₂	-35.598562	Etikett	Etiquette
10	7	T ₁₀₃	-8.8679	Parera	Parry
10	6	T₁₀₄	-44.466462	Smidighet	Flexibility
9	D		0		
8	8	63	-11.3188	Höra ((så (Ifall du på vägen)+ge fan alltihop)	Hear ((if (Ifall du på vägen) +Give damn it all))
8	7	T₁₀₅	-11.3188	Ignorera	Ignore
10	6	T ₁₀₄	-44.466462	Smidighet	Flexibility
8	7	T ₁₀₅	-11.3188	Ignorera	Ignore
8	6	T₁₀₆	-55.785266	Smart	Smart
7	8	D	0		
6	8	71	-11.70	Lockar (och(Fast han)+tubbar(och(Fast han)+Gubbar+friskt, gubbar!)	Lure(and(though he)+tempt (though he)+Old men+Well, guyes!)
6	7	T₁₀₇	-11.70	Frestelse	Temptation
8	6	T ₁₀₆	-55.785266	Smart	Smart
6	7	T ₁₀₇	-11.70	Frestelse	Temptation
6	6	T₁₀₈	-67.485266	Prövning	Trial
5	8	D	0		
4	8	23	-13.2445	Bjuden(Gäst+bör(Gäst+bli under tak)	Invited(Guest+should (Guest+be covered)
4	7	T₁₀₉	-13.2445	Placera	Site
6	6	T ₁₀₈	-67.485266	Prövning	Trial
4	7	T ₁₀₉	-13.2445	Placera	Site
4	6	T₁₁₀	-80.729766	Rang	Rank
3	8	D	0		

2	8	22	-19.6155	Som (är(Gäst+bjuden((Gäst+bör(Gäst+bli under tak)	That is(Guest+should (Guest+be covered)
2	7	T₁₁₁	-19.6155	Invigd	Privy
32	5	T ₁₁₀	-80.729766	Rang	Rank
2	7	T ₁₁₁	-19.6155	Invigd	Privy
2	6	T₁₁₂	-100.345266	Ärad	Honoured
32	5	T ₈₃	281.360866	Smidighet	Flexibility
2	6	T ₁₁₂	-100.345266	Ärad	Honoured
2	5	T₁₁₃	181.0156	Moral	Moral

Table A2*Transformation of alpha variables*

X	Y	Var	Rad	X	Y	Var	Rad	X	Y	Var	Rad	X	Y	Var	Rad
0	1	1	4.3018	30	0	39	3.2332	55	3	T55	145.910718	35	8	25	-1.20802
1	0	2	3.425922	31	0	40	4.3960	57	1	T56	7.667139	34	8	26	-2.944823
1	1	T1	7.772723	31	1	T29	7.6292	57	3	T57	153.577857	34	7	T85	-5.122843
2	0	D	0	29	1	T28	6.4664	58	0	D	0	33	8	27	-2.944823
3	0	3	2.345714	31	1	T29	7.6292	59	0	70	2.467349	32	8	28	-2.944823
3	1	T2	2.345714	31	2	T30	14.0956	59	1	T58	2.467349	32	7	T86	-5.889646
1	1	T1	7.772723	32	0	D	0	57	3	T57	153.577857	34	7	T85	-5.122843
3	1	T2	2.345714	33	0	41	3.9878	59	1	T58	2.467349	32	7	T86	-5.889646
3	2	T3	10.073436	33	1	T31	3.9878	59	3	T59	156.045206	32	6	T87	-11.012489
4	0	D	0	31	2	T30	14.0956	60	4	74	3.4184	36	4	T84	-0.407144
5	0	12	4.3646	33	1	T31	3.9878	60	5	75	3.4184	32	6	T87	-11.012489
5	1	T4	4.3646	33	2	T32	18.0834	59	5	T60	6.8368	32	5	T88	-11.419633
3	2	T3	10.073436	27	2	T27	64.350847	59	3	T59	156.045206	31	8	D	0
5	1	T4	4.3646	33	2	T32	18.0834	59	5	T60	6.8368	30	8	62	-2.17703
5	2	T5	14.438036	33	3	T33	82.434247	58	5	T61	162.882006	30	7	T89	-2.17703
6	0	D	0	34	0	D	0	59	8	71	4.3332	32	5	T88	-11.419633
7	0	13	4.7728	35	0	42	4.77593	58	8	72	4.133366	30	7	T89	-2.17703
7	1	T6	4.7728	35	1	T34	4.77593	58	7	T62	8.466566	30	6	T90	-13.596663
5	2	T5	14.438036	33	3	T33	82.434247	58	5	T61	162.882006	29	8	D	0
7	1	T6	4.7728	35	1	T34	4.77593	58	7	T62	8.466566	28	8	7	-3.29824
7	2	T7	19.210836	35	3	T35	87.210177	58	6	T63	171.348572	28	7	T91	-3.29824
8	0	D	0	36	0	43	3.1860	57	8	D	0	30	6	T90	-13.596663
9	0	14	4.3332	37	0	44	4.430063	56	8	73	4.3332	28	7	T91	-3.29824
9	1	T8	4.3332	37	1	T36	7.616063	56	7	T64	4.3332	28	6	T92	-16.894903
7	2	T7	19.210836	38	0	45	4.430063	58	6	T63	171.348572	27	8	D	0
9	1	T8	4.3332	39	0	46	4.430063	56	7	T64	4.3332	26	8	20	-3.56358
9	2	T9	23.544036	39	1	T37	8.860126	56	6	T65	175.681772	26	7	T93	-3.56358
10	0	D	0	37	1	T36	7.616063	55	8	D	0	28	6	T92	-16.894903
11	0	15	4.1334	39	1	T37	8.860126	54	8	64	6.8368	26	7	T93	-3.56358
11	1	T10	4.1334	39	2	T38	16.476189	54	7	T66	6.8368	26	5	T94	-20.458483
9	2	T9	23.544036	40	0	47	4.430063	56	6	T65	175.681772	25	8	D	0

11	1	T10	4.1334	41	0	48	4.430063	54	7	T66	6.8368	24	8	8	-5.79123
11	2	T11	27.677436	41	1	T39	8.860126	54	6	T67	182.518572	24	7	T95	-5.79123
12	0	D	0	39	2	T38	16.476189	53	8	D	0	23	8	D	0
13	0	16	2.190376	41	1	T39	8.860126	52	8	32	1.0401	22	8	21	-5.92441
13	1	T12	2.190376	41	2	T40	25.336315	52	7	T68	1.0401	22	7	T96	-5.92441
11	2	T11	27.677436	42	0	D	0	51	8	D	0	24	7	T95	-5.79123
13	1	T12	2.190376	43	0	48	4.430063	50	8	36	1.6404	22	7	T96	-5.92441
13	2	T13	29.867812	43	1	T41	4.430063	50	7	T69	1.6404	22	6	T97	-11.71564
14	0	22	3.5796	41	2	T40	25.336315	52	7	T68	1.0401	21	8	D	0
15	0	23	3.6080	43	1	T41	4.430063	50	7	T69	1.6404	20	8	63	-6.043
15	1	T14	7.1876	43	2	T42	29.766378	50	6	T70	2.6805	20	7	T98	-6.043
13	2	T12	29.867812	35	3	T35	87.210177	49	8	D	0	22	6	T97	-11.71564
15	1	T14	7.1876	43	2	T42	29.766378	48	8	55	0.809876	20	7	T98	-6.043
15	2	T15	37.055412	43	3	T43	116.976555	48	7	T71	0.809876	20	6	T99	-17.75864
16	0	D	0	44	0	50	2.542173	50	6	T70	2.6805	19	8	D	0
17	0	24	1.867809	45	0	51	2.542173	48	7	T71	0.809876	18	8	64	-7.7832
17	1	T16	1.867809	45	1	T44	5.084346	48	6	T72	3.490376	18	7	T100	-7.7832
15	2	T14	37.055412	43	3	T43	116.976555	47	8	59	1.2484	20	6	T99	-17.75864
17	1	T15	1.867809	45	1	T44	5.084346	46	8	60	1.2484	18	7	T100	-7.7832
17	2	T17	38.923221	45	3	T45	122.060901	46	7	T73	2.4968	18	6	T101	-25.54184
18	0	D	0	46	0	D	0	45	8	D	0	26	5	T94	-20.458483
19	0	29	3.9564	47	0	52	3.9878	44	8	61	-1.0968	18	6	T101	-25.54184
19	1	T18	3.9564	47	1	T46	3.9878	44	7	T74	-1.0968	18	5	T102	-46.000323
17	2	T17	38.923221	45	3	T45	122.060901	46	7	T73	2.4968	54	6	T67	182.518572
19	1	T18	3.9564	47	1	T46	3.9878	44	7	T74	-1.0968	18	5	T102	-46.000323
19	2	T19	42.879621	47	3	T47	126.048706	44	6	T75	1.4000	18	4	T103	136.518249
20	0	30	4.11593	48	0	D	0	48	6	T72	3.490376	17	8	9	-8.28422
21	0	31	4.11593	49	0	53	4.3646	44	6	T75	1.4000	16	8	10	-8.28422
21	1	T20	8.23186	49	1	T48	4.3646	44	5	T76	4.890376	16	7	T104	-16.56844
19	2	T19	42.879621	47	3	T47	126.048706	43	8	4	-0.80525	15	8	65	-10.2540
21	1	T20	8.23186	49	1	T48	4.3646	42	8	5	-0.80525	14	8	66	-10.2540
21	2	T21	51.111481	49	3	T49	130.413301	42	7	T77	-1.6105	14	7	T105	20.508
22	0	D	0	50	0	D	0	41	8	D	0	16	7	T104	-16.56844
23	0	33	4.7728	51	0	54	4.675837	40	8	6	-0.80525	14	7	T105	20.508
23	1	T22	4.7728	51	1	T50	4.675837	40	7	T78	-0.80525	14	6	T106	37.07644
21	2	T21	51.111481	49	3	T49	130.413301	42	7	T77	-1.6105	13	8	D	0
23	1	T22	4.7728	51	1	T50	4.675837	40	7	T78	-0.80525	12	8	67	-12.6149
23	2	T23	55.884281	51	3	T51	135.089138	40	6	T79	-2.41575	12	7	T107	-12.6149
24	0	D	0	52	0	56	3.6344	39	8	17	-0.96059	14	6	T106	37.07644
25	0	34	4.3332	53	0	57	3.59359	38	8	18	-0.96059	12	7	T107	-12.6149
25	1	T24	4.3332	53	1	T52	7.22799	38	7	T80	-1.92118	12	6	T109	-49.69134
23	2	T23	55.884281	54	0	D	0	37	8	D	0	11	8	D	0
25	1	T24	4.3332	55	0	58	3.59359	36	8	19	-0.96059	10	8	11	-15.3732
25	2	T25	60.217481	55	1	T53	3.59359	36	7	T81	-0.96059	10	7	T110	-15.3732

26	0	D	0	53	1	T52	7.22799	38	7	T80	-1.92118	12	6	T109	-49.69134
27	0	35	4.133366	55	1	T53	3.59359	36	7	T81	-0.96059	10	7	T110	-15.3732
27	1	T26	4.133366	55	2	T54	10.82158	36	6	T82	-2.88177	10	6	T111	-65.06454
25	2	T25	60.217481	51	3	T51	135.089138	40	6	T79	-2.41575	18	4	T103	136.518249
27	1	T26	4.133366	55	2	T54	10.82158	36	6	T82	-2.88177	10	6	T111	-65.06454
27	2	T27	64.350847	55	3	T55	145.910718	36	5	T83	-5.29752	10	4	T112	71.453709
28	0	37	3.2332	56	0	68	3.2568	44	5	T76	4.890376				
29	0	38	3.2332	57	0	69	4.410339	36	5	T83	-5.29752				
29	1	T28	6.4664	57	1	T56	7.667139	36	4	T84	-0.407144				

Table A3*Extraction of termini from the O-mesh*

X	Y	A-component	O-component	English	Fusion
		<i>Pendulum</i>	<i>Destination</i>	<i>Extraction</i>	<i>Value (q)</i>
1	1	T ₁ : 1 → 2	T _{O58}	Rest	7.7727
3	1	T ₂ : D → 3	T _{O2}	Rest	2.345714
3	2	T ₃ : T _{A2} → T _{A1}	T _{O3}	Luxury	10.073436
5	1	T ₄ : D → 12	T _{O12}	Bottom-up	4.3646
5	2	T ₅ : T _{A4} → T _{A3}	T _{O5}	Delight	14.438036
7	1	T ₆ : D → 13	T _{O13}	Sensing	4.7728
7	2	T ₇ : T _{A6} → T _{A5}	T _{O7}	Relaxing	19.210836
9	1	T ₈ : D → 14	T _{O14}	Spirit	4.3332
9	2	T ₉ : T _{A8} → T _{A7}	T _{O9}	Easy-going	23.544036
11	1	T ₁₀ : D → 15	T _{O16}	Satisfied	4.1334
11	2	T ₁₁ : T _{A10} → T _{A9}	T _{O11}	Tender	27.677436
13	1	T ₁₂ : D → 16	T _{O18}	Mood	2.190376
13	2	T ₁₃ : T _{A12} → T _{A11}	T _{O13}	Sensing	29.8678
15	1	T ₁₄ : 22 → 23	T _{O107}	Rank	7.1876
15	2	T ₁₅ : T _{A14} → T _{A13}	T _{O15}	Spirit	37.055412
17	1	T ₁₆ : D → 24	T _{O91}	Privacy	1.867809
17	2	T ₁₇ : T _{A16} → T _{A15}	T _{O17}	Sober	38.923221
19	1	T ₁₈ : D → 29	T _{O82}	Attraction	3.9564
19	2	T ₁₉ : T _{A18} → T _{A17}	T _{O19}	Controlled	42.879621
21	1	T ₂₀ : 30 → 31	T _{O93}	Welcomed	8.23186
21	2	T ₂₁ : T _{A20} → T _{A19}	T _{O21}	Vulnerable	51.111481
23	1	T ₂₂ : D → 33	T _{O32}	Companion	4.7728
23	2	T ₂₃ : T _{A22} → T _{A21}	T _{O23}	Venture	55.884281
25	1	T ₂₄ : D → 34	T _{O34}	Quorum	4.3332
25	2	T ₂₅ : T _{A24} → T _{A23}	T _{O25}	Style	60.217481
27	1	T ₂₆ : D → 35	T _{O36}	Toast	4.133366
27	2	T ₂₇ : T _{A26} → T _{A25}	T _{O25}	Style	64.350847
29	1	T ₂₈ : 37 → 38	T _{O38}	Bloated	6.4664
31	1	T ₂₉ : 39 → 40	T _{O39}	Condensed	7.6292
31	2	T ₃₀ : T _{A29} → T _{A28}	T _{O28}	Libertine	14.0956
33	1	T ₃₁ : D → 41	T _{O42}	Darkness	3.9878
33	2	T ₃₂ : T _{A31} → T _{A30}	T _{O30}	Generous	18.0834
33	3	T ₃₃ : T _{A32} → T _{A27}	T _{O28}	Libertine	82.434247
35	1	T ₃₄ : D → 42	T _{O44}	Careful	4.77593
35	3	T ₃₅ : T _{A34} → T _{A33}	T _{O35}	Fraternize	87.210177
37	1	T ₃₆ : 43 → 44	T _{O46}	Farewell	7.616063
39	1	T ₃₇ : 45 → 46	T _{O47}	Rumbling	8.860126

39	2	$T_{38}: T_{A37} \rightarrow T_{A36}$	T_{O36}	Toast	16.476189
41	1	$T_{39}: 47 \rightarrow 48$	T_{O52}	Secure	8.860126
41	2	$T_{40}: T_{A39} \rightarrow T_{A38}$	T_{O40}	Uneasy	25.336315
43	1	$T_{41}: D \rightarrow 49$	T_{O52}	Secure	4.430063
43	2	$T_{42}: T_{A41} \rightarrow T_{A40}$	T_{O40}	Uneasy	29.766378
43	3	$T_{43}: T_{A42} \rightarrow T_{A35}$	T_{O37}	Friendship	116.976555
45	1	$T_{44}: 50 \rightarrow 51$	T_{O54}	Vigilant	5.084346
45	3	$T_{45}: T_{A44} \rightarrow T_{A43}$	T_{O45}	Cautious	122.060901
47	1	$T_{46}: D \rightarrow 52$	T_{O56}	Chorus	3.9878
47	3	$T_{47}: T_{A46} \rightarrow T_{A45}$	T_{O51}	Noise	126.048706
49	1	$T_{48}: D \rightarrow 53$	T_{O58}	Rest	4.3646
49	3	$T_{49}: T_{A48} \rightarrow T_{A47}$	T_{O47}	Rumbling	130.413301
51	1	$T_{50}: D \rightarrow 54$	T_{O60}	Illumination	4.675837
51	3	$T_{51}: T_{A50} \rightarrow T_{A49}$	T_{O49}	Laughter	135.089138
53	1	$T_{52}: 56 \rightarrow 57$	T_{O62}	Strength	7.22799
55	1	$T_{53}: D \rightarrow 58$	T_{O95}	Status	3.59359
55	2	$T_{54}: T_{A53} \rightarrow T_{A52}$	T_{O52}	Secure	10.82158
55	3	$T_{55}: T_{A54} \rightarrow T_{A51}$	T_{O53}	Sourdine	145.910718
57	1	$T_{56}: 68 \rightarrow 69$	T_{O85}	Constriction	7.667139
57	3	$T_{57}: T_{A56} \rightarrow T_{A55}$	T_{O57}	Vigour	153.577857
59	1	$T_{58}: D \rightarrow 70$	T_{O72}	Withstand	2.467349
59	3	$T_{59}: T_{A58} \rightarrow T_{A57}$	T_{O59}	Renewal	156.045206
60	5	$T_{60}: 74 \rightarrow 75$	T_{O75}	Decent	6.8368
58	6	$T_{61}: T_{A60} \rightarrow T_{A59}$	T_{O61}	Clarity	162.882006
58	7	$T_{62}: 71 \rightarrow 72$	T_{O75}	Fawn	8.466566
57	6	$T_{63}: T_{A62} \rightarrow T_{A61}$	T_{O65}	Admire	171.348572
56	7	$T_{64}: D \rightarrow 73$	T_{O76}	Spur	4.3332
56	6	$T_{65}: T_{A64} \rightarrow T_{A63}$	T_{O63}	Power	175.659535
54	7	$T_{66}: D \rightarrow 64$	T_{O68}	Steadfast	6.8368
54	6	$T_{67}: T_{A67} \rightarrow T_{A66}$	T_{O70}	Shy	182.518572
52	7	$T_{68}: D \rightarrow 32$	T_{O30}	Generous	1.0401
50	7	$T_{69}: D \rightarrow 36$	T_{O36}	Toast	1.6404
50	6	$T_{70}: T_{A69} \rightarrow T_{A68}$	T_{O68}	Steadfast	2.6805
48	7	$T_{71}: D \rightarrow 55$	T_{O60}	Illumination	0.809876
48	6	$T_{72}: T_{A71} \rightarrow T_{A70}$	T_{O70}	Shy	3.490376
46	7	$T_{73}: 59 \rightarrow 60$	T_{O97}	Order	2.4968
44	7	$T_{74}: D \rightarrow 61$	T_{O63}	Power	-1.0968
44	6	$T_{75}: T_{A74} \rightarrow T_{A73}$	T_{O75}	Fawn	1.4000
44	5	$T_{76}: T_{A75} \rightarrow T_{A72}$	T_{O73}	Patient	4.890376
42	7	$T_{77}: 4 \rightarrow 5$	T_{O80}	Amicable	-1.6105
40	7	$T_{78}: D \rightarrow 6$	T_{O2}	Banquet	-0.80525
40	6	$T_{79}: T_{A78} \rightarrow T_{A77}$	T_{O75}	Fawn	-2.41575
38	7	$T_{80}: 17 \rightarrow 18$	T_{O20}	Uncovered	-1.92118
36	7	$T_{81}: D \rightarrow 19$	T_{O22}	Flout	-0.96059
36	6	$T_{82}: T_{A81} \rightarrow T_{A80}$	T_{O79}	Decent	-2.88177
36	5	$T_{83}: T_{A82} \rightarrow T_{A79}$	T_{O81}	Manners	-5.29752
36	4	$T_{84}: T_{A83} \rightarrow T_{A75}$	T_{O77}	Flattery	-0.407144
34	7	$T_{85}: 25 \rightarrow 26$	T_{O26}	Carefree	-5.122843
32	7	$T_{86}: 27 \rightarrow 28$	T_{O27}	Style	-5.889646
32	6	$T_{87}: T_{A86} \rightarrow T_{A85}$	T_{O85}	Attraction	-11.012489
32	5	$T_{88}: T_{A87} \rightarrow T_{A84}$	T_{O86}	Seductive	-11.419633
30	7	$T_{89}: D \rightarrow 62$	T_{O66}	Reality	-2.17703
30	5	$T_{90}: T_{A89} \rightarrow T_{A87}$	T_{O88}	Constriction	-13.596663
28	7	$T_{91}: D \rightarrow 7$	T_{O2}	Banquette	-3.29824

28	5	$T_{92}: T_{A91} \rightarrow T_{A90}$	T_{O92}	Limiting	-16.894903
26	7	$T_{93}: D \rightarrow 20$	T_{O24}	Upright	-3.56358
26	5	$T_{94}: T_{A93} \rightarrow T_{A92}$	T_{O94}	Privacy	-20.458483
24	7	$T_{95}: D \rightarrow 8$	T_{O4}	Rinse	-5.79123
22	7	$T_{96}: D \rightarrow 21$	T_{O24}	Upright	-5.92441
22	6	$T_{97}: T_{A96} \rightarrow T_{A95}$	T_{O95}	Taste	-11.71564
20	7	$T_{98}: D \rightarrow 63$	T_{O105}	Ignore	-6.043
20	6	$T_{99}: T_{A98} \rightarrow T_{A97}$	T_{O97}	Unveiling	-17.75864
18	7	$T_{100}: D \rightarrow 64$	T_{O68}	Steadfast	-7.7832
18	6	$T_{101}: T_{A100} \rightarrow T_{A99}$	T_{O99}	Sociability	-25.54184
18	5	$T_{102}: T_{A101} \rightarrow T_{A94}$	T_{O94}	Etiquette	-46.000323
18	4	$T_{103}: T_{A102} \rightarrow T_{A67}$	T_{O69}	Self-preserving	136.518249
16	7	$T_{104}: 9 \rightarrow 10$	T_{O8}	Urging	-16.56844
14	7	$T_{105}: 65 \rightarrow 66$	T_{O70}	Shy	-20.5080
14	6	$T_{106}: T_{A105} \rightarrow T_{A104}$	T_{O106}	Smart	-37.07644
12	7	$T_{107}: D \rightarrow 67$	T_{O82}	Detour	-12.6149
12	6	$T_{108}: T_{A107} \rightarrow T_{A106}$	T_{O108}	Trial	-49.69134
10	7	$T_{109}: D \rightarrow 11$	T_{O10}	Incentive	-15.3732
10	5	$T_{110}: T_{A109} \rightarrow T_{A108}$	T_{O110}	Rank	-65.064544
10	4	$T_{111}: T_{A110} \rightarrow T_{A103}$	T_{O104}	Flexibility	71.453709